

Listing of Claims

This Listing of Claims shall replace all prior versions and listings of claims in the application.

1-18. (Cancelled).

19. (Currently Amended) An isolated polynucleotide molecule comprising:

(i) a nucleotide sequence encoding the polypeptide consisting essentially of the truncated ORF2 amino acid sequence of SEQ ID NO: 19, wherein said polynucleotide molecule is integrated into the chromosome of a cell of the genus *Corynebacterium*; and

(ii) a nucleotide sequence encoding the polypeptide sequence of SEQ ID NO: 2.

20. (Original) The isolated polynucleotide molecule of claim 19 comprising a nucleotide sequence having the sequence of SEQ ID NO: 18.

21. (Cancelled)

22. (Previously Presented) A host cell comprising the isolated polynucleotide molecule of claim 19.

23. (Previously Presented) A host cell comprising a vector comprising an isolated polynucleotide molecule comprising a nucleotide sequence encoding the polypeptide of SEQ ID NO: 19, wherein said host cell is NRRL B30360.

24. (Currently Amended) A method for selecting a transformed host cell comprising:

(a) transforming a *Corynebacterium* species host cell with a vector comprising a polynucleotide molecule comprising a nucleotide sequence encoding the truncated ORF2 polypeptide consisting essentially of the amino acid sequence of SEQ ID NO: 19 and the

amino acid sequence of SEQ ID NO: 2, wherein following transformation said polynucleotide molecule is integrated into the chromosome of said host cell, and

(b) selecting a transformed host cell.

25-32. (Cancelled).

33. (Currently amended) An isolated polynucleotide molecule comprising a nucleotide sequence encoding the polypeptide consisting essentially of the amino acid sequence of SEQ ID NO: 19, wherein said polynucleotide molecule is integrated into the chromosome of a cell of the genus *Corynebacterium*.

34. (Currently Amended) The isolated polynucleotide molecule of claim [[19]] 33 comprising a nucleotide sequence having the sequence of SEQ ID NO: 18.

35. (Currently Amended) A host cell comprising the isolated polynucleotide molecule of claim [[19]] 33.

36. (Cancelled)

37. (Currently amended) A method for selecting a transformed host cell comprising:
(a) transforming a *Corynebacterium* species host cell with a vector comprising a polynucleotide molecule comprising a nucleotide sequence encoding the polypeptide consisting essentially of the amino acid sequence of SEQ ID NO: 19, wherein following transformation said polynucleotide molecule is integrated into the chromosome of said host cell, and

(b) selecting a transformed host cell.

38. (New) The isolated polynucleotide molecule of claim 20, further comprising a nucleotide sequence having the sequence of SEQ ID NO: 1.

39. (New) An isolated polynucleotide molecule comprising:

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- (a) the polynucleotide molecule of claim 19;
- (b) a nucleic acid molecule encoding the asd amino acid sequence of SEQ ID NO: 4;
- (c) a nucleic acid molecule encoding the dapA amino acid sequence of SEQ ID NO: 6; and
- (d) a nucleic acid molecule encoding the dapB amino acid sequence of SEQ ID NO:8.

40. (New) An isolated polynucleotide molecule comprising:

- (a) the polynucleotide molecule of claim 19;
- (b) a nucleic acid molecule encoding the asd amino acid sequence of SEQ ID NO:4;
- (c) a nucleic acid molecule encoding the dapA amino acid sequence of SEQ ID NO:6;
- (d) a nucleic acid molecule encoding the dapB amino acid sequence of SEQ ID NO:8; and
- (e) a nucleic acid molecule encoding the ddh amino acid sequence of SEQ ID NO:10.

41. (New) An isolated polynucleotide molecule comprising:

- (a) the polynucleotide molecule of claim 19;
- (b) a nucleic acid molecule encoding the asd amino acid sequence of SEQ ID NO:4;
- (c) a nucleic acid molecule encoding the dapA amino acid sequence of SEQ ID NO:6;

(d) a nucleic acid molecule encoding the dapB amino acid sequence of SEQ ID

NO:8;

(e) a nucleic acid molecule encoding the ddh amino acid sequence of SEQ ID

NO:10; and

(f) a nucleic acid molecule encoding the 'lysA amino acid sequence of SEQ ID

NO:21.

42. (New) An isolated polynucleotide molecule comprising:

(a) the polynucleotide molecule of claim 20;

(b) a nucleic acid molecule encoding the asd amino acid sequence of SEQ ID

NO:4;

(c) a nucleic acid molecule encoding the dapA amino acid sequence of SEQ ID

NO:6;

(d) a nucleic acid molecule encoding the dapB amino acid sequence of SEQ ID

NO:8;

(e) a nucleic acid molecule encoding the ddh amino acid sequence of SEQ ID

NO:10; and

(f) a nucleic acid molecule encoding the lysA amino acid sequence of SEQ ID

NO:14.

43. (New) The method of claim 24, wherein said isolated polynucleotide molecule further comprises at least one nucleic acid molecule selected from the group consisting of:

(a) a nucleic acid molecule encoding the asd amino acid sequence of SEQ ID

NO:4;

(b) a nucleic acid molecule encoding the dapA amino acid sequence of SEQ ID

NO:6;

(c) a nucleic acid molecule encoding the dapB amino acid sequence of SEQ ID

NO:8;

(d) a nucleic acid molecule encoding the ddh amino acid sequence of SEQ ID

NO:10;

(e) a nucleic acid molecule encoding the 'lysA amino acid sequence of SEQ ID

NO:21; and

(f) a nucleic acid molecule encoding the lysA amino acid sequence of SEQ ID

NO:14.

44. (New) The method of claim 24, wherein said isolated polynucleotide molecule further comprises:

(a) a nucleic acid molecule encoding the asd amino acid sequence of SEQ ID

NO:4;

(b) a nucleic acid molecule encoding the dapA amino acid sequence of SEQ ID

NO:6; and

(c) a nucleic acid molecule encoding the dapB amino acid sequence of SEQ ID NO:8.

45. (New) The method of claim 24, wherein said isolated polynucleotide molecule further comprises:

(a) a nucleic acid molecule encoding the asd amino acid sequence of SEQ ID

NO:4;

(b) a nucleic acid molecule encoding the dapA amino acid sequence of SEQ ID

NO:6;

(c) a nucleic acid molecule encoding the dapB amino acid sequence of SEQ ID

NO:8; and

(d) a nucleic acid molecule encoding the ddh amino acid sequence of SEQ ID NO:

10.

46. (New) The method of claim 24, wherein said isolated polynucleotide molecule further comprises:

(a) a nucleic acid molecule encoding the asd amino acid sequence of SEQ ID

NO:4;

(b) a nucleic acid molecule encoding the dapA amino acid sequence of SEQ ID

NO:6;

(c) a nucleic acid molecule encoding the dapB amino acid sequence of SEQ ID

NO:8;

(d) a nucleic acid molecule encoding the ddh amino acid sequence of SEQ ID

NO:10; and

(e) a nucleic acid molecule encoding the 'lysA amino acid sequence of SEQ ID

NO:21.

47. (New) The method of claim 24, wherein said isolated polynucleotide molecule further comprises the following:

(a) a nucleic acid molecule encoding the asd amino acid sequence of SEQ ID

NO:4;

(b) a nucleic acid molecule encoding the dapA amino acid sequence of SEQ ID

NO:6;

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(c) a nucleic acid molecule encoding the dapB amino acid sequence of SEQ ID

NO:8;

(d) a nucleic acid molecule encoding the ddh amino acid sequence of SEQ ID

NO:10; and

(e) a nucleic acid molecule encoding the lysA amino acid sequence of SEQ ID

NO:14.